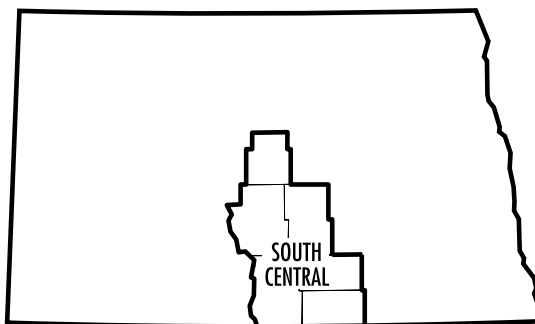




FARM MANAGEMENT PLANNING GUIDE

February 2026

Projected 2026 Crop Budgets



South Central North Dakota

Ron Haugen, Farm Management Specialist

Note: This region consists of six counties:
Burleigh, Emmons, Kidder, Logan, McIntosh and Sheridan.

The 2026 crop budgets provide an estimate of revenues and costs for selected crops. Each set of budgets are developed for a multi-county region. There is considerable variation in soil type and productivity, weather conditions, as well as management and production practices within each region. Therefore, **THESE BUDGETS ARE ONLY INTENDED TO BE USED AS A GUIDE. EVERY INDIVIDUAL IS HIGHLY ENCOURAGED TO DEVELOP THEIR OWN BUDGETS!**

The profitability budget accounts for full economic opportunity costs for land and machinery investment, regardless of farm operator equity position. The bottom line is the return to labor and management. This is the expected “payment” to the producer for the labor and managerial efforts required by the crop enterprise. Each individual must make the decision whether it is sufficient.

The budget can be changed to conform to the more common definition of accounting profit (return to unpaid labor and management and the owner equity)

by replacing the machinery investment and land charge cost items with your per acre interest and rental expense of machinery and land, and real estate tax if land is owned.

The budget can be used for long run decisions if the revenues and costs are realistic for several years. (Crop prices, direct costs, and the land charge are best estimates for only the 2026 crop year, but crop yields are historic averages and machinery ownership costs are an average for the total length of ownership). If the budget shows a high return to labor and management, and is representative for several years, increased acreage and corresponding investment should be considered. However, if long-run returns to labor and management are unsatisfactory, the best decision may be to exit the crop enterprise and employ the machinery and land investment, and labor and management, in a different enterprise or investment.

For short-run planning decisions you can omit the indirect costs if the land and machinery required to produce the different enterprises are in place. Simply compare the crop enterprises by calculating return over direct costs. Labor requirements and risk should also be considered. Insurance is not available for some crops.

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The budget can be used to estimate cashflow by making a few modifications. Machinery depreciation should be omitted and the machinery investment number replaced with your per acre principal and interest payment on machinery debt. For owned land, the land charge should be replaced with your per acre real estate tax and principal and interest payment on land debt.

The current farm program continues the Price Loss Coverage (PLC) and Agricultural Risk Coverage (ARC) support programs. PLC and ARC payments have been omitted from the budgets because those payments, if any, are tied to historic farm program base acres, not to current crop selection or production.

Primary Assumptions:

Crops are planted on dryland recrop ground. Costs of moving crop to local market/storage are included.

The budgets for the South West, North West, South Central and North Central regions typically represent production systems where soil disturbance only occurs at seeding.

Market Price: Best estimates of NDSU Extension economists. The greater of projected market price and marketing loan rate is used.

Market Yields: Average yield for the 7-year period 2018-2024, after the low and high yield years are removed. Yields for safflower, yellow mustard, buckwheat, millet, rye and chickpea are from NDSU Extension agronomists and industry sources.

Fertilizer: Cost of fertilizer applied, based on soil test, to meet yield goal. N fertilizer can be reduced if previous crop was soybean, dry bean, field pea or lentil.

Fertilizer prices:

Nitrogen	- .58/lb
Phosphorus	- .68/lb
Potassium	- .38/lb

Seed Prices:

Spring Wheat	13.00/bu
Durum	15.00/bu
Barley	10.00/bu
Corn GM	3.00/thou.kern.
Soybean GM	.34/thou.kern.
Dry Bean	1.00/thou.kern.
Oil Sunflower	1.70/thou.kern.
Conf. Sunflower	3.00/thou.kern.
Canola	15.00/lb
Flax	22.00/bu
Field Pea	18.00/bu
Oat	8.00/bu
Lentil	.30/lb
Mustard	.98/lb
Buckwheat	.52/lb
Millet	.60/lb
Winter Wheat	11.00/bu
Rye	8.00/bu

Fuel Prices:

Diesel	2.55/gal
Gasoline	2.50/gal

Lubrication Charge: 15% of fuel cost

Crop Insurance: Revenue Protection used for all wheat, barley, soybean, corn, canola, sunflower, field pea, dry bean and lentil with a 75% coverage level and enterprise units. APH insurance was used for other crops for which 70% coverage and optional units were assumed.

Miscellaneous: Soil testing, machinery rent and custom work.

Operating Interest: Direct costs charged 7.0% interest for 6-month period.

Misc. Overhead: Machinery housing and insurance at .5% and .85%, respectively, of average machinery investment (also, liability insurance and license fees of trucks). In addition, \$5.00 per acre is assumed for general farm utilities, farm publications, meetings, dues, income tax preparation, legal fees, etc.

Land Charge: Average cash rent.

Machinery Investment: 4.0% real interest rate, over the years of machine ownership, is charged on average machinery investment. The real, or inflation adjusted, rate is the commercial rate minus the inflation rate. Ave. mach. investment = (Purchase price + Disposal price)/2

Depreciation: (Purchase price - disposal price / years ownership)

Spring Wheat

Durum

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	48	_____	55	_____
Market Price	5.77	_____	6.77*	_____
MARKET REVENUE	276.96	_____	372.35	_____
DIRECT COSTS				
-Seed	22.10	_____	27.00	_____
-Herbicides	28.70	_____	28.70	_____
-Fungicides**	10.50	_____	10.50	_____
-Insecticides***	0.00	_____	0.00	_____
-Fertilizer	87.53	_____	103.01	_____
-Crop Insurance	6.30	_____	6.60	_____
-Fuel & Lubrication	13.65	_____	14.04	_____
-Repairs	22.84	_____	23.07	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	10.00	_____	10.00	_____
-Operating Interest	7.06	_____	7.80	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	208.68	_____	230.72	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.12	_____	10.26	_____
-Machinery Depreciation	27.21	_____	27.73	_____
-Machinery Investment	13.68	_____	13.89	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	112.01	_____	112.88	_____
SUM OF ALL LISTED COSTS	320.69	_____	343.60	_____
RETURN TO LABOR & MANAGEMENT	(43.73)	_____	28.75	_____
LISTED COSTS PER BUDGET UNIT	(bu) :		(bu) :	
-Direct Costs	4.35	_____	4.19	_____
-Indirect Costs	2.33	_____	2.05	_____
-Total Costs	6.68	_____	6.25	_____

Wheat notes:

*Durum price is for milling quality. There is risk of lower quality and lower price.

**Includes seed treatment, an early season foliar fungicide, and a late season fungicide. Prothioconazole, metconazole or pydiflumetofen containing products are highly recommended when conditions are favorable for fusarium head blight (scab).

***Cereal grain aphid insecticide would cost about \$4.

Malting Barley

Corn Grain

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	70	_____	122	_____
Market Price	4.99*	_____	3.75	_____
MARKET REVENUE	349.30	_____	457.50	_____
DIRECT COSTS				
-Seed	16.00	_____	87.00*	_____
-Herbicides	27.90	_____	31.60	_____
-Fungicides	10.50**	_____	0.00	_____
-Insecticides	0.00	_____	0.00	_____
-Fertilizer	77.50	_____	119.10	_____
-Crop Insurance	5.20	_____	9.50	_____
-Fuel & Lubrication	14.88	_____	21.62	_____
-Repairs	23.57	_____	29.85	_____
-Drying	0.00	_____	24.40	_____
-Miscellaneous	10.00	_____	10.00	_____
-Operating Interest	6.49	_____	11.66	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	192.04	_____	344.73	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.58	_____	13.68	_____
-Machinery Depreciation	28.83	_____	46.57	_____
-Machinery Investment	14.35	_____	22.17	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	114.76	_____	143.42	_____
SUM OF ALL LISTED COSTS	306.80	_____	488.15	_____
RETURN TO LABOR & MANAGEMENT	42.50	_____	(30.65)	_____
LISTED COSTS PER BUDGET UNIT	(bu) :		(bu) :	
-Direct Costs	2.74	_____	2.83	_____
-Indirect Costs	1.64	_____	1.18	_____
-Total Costs	4.38	_____	4.00	_____

Barley notes:

*There is risk of not making malting barley quality. Use \$3.00 for feed barley.

**Includes seed treatment, an early season foliar fungicide, and a late season fungicide. Prothioconazole, metconazole or pydiflumetofen containing products are highly recommended when conditions are favorable for fusarium head blight (scab).

Corn notes:

*GM corn with herbicide tolerance and above ground insect control traits.

Soybean

Drybean

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	33	_____	1700	_____
Market Price	9.70	_____	0.27	_____
MARKET REVENUE	320.10	_____	459.00	_____
DIRECT COSTS				
-Seed	65.80*	_____	82.50	_____
-Herbicides	27.20	_____	54.70*	_____
-Fungicides	0.00	_____	20.00**	_____
-Insecticides	4.00**	_____	0.00	_____
-Fertilizer	8.13	_____	56.29	_____
-Crop Insurance	7.50	_____	12.10	_____
-Fuel & Lubrication	12.81	_____	17.48	_____
-Repairs	22.14	_____	27.46	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	5.50	_____	15.50	_____
-Operating Interest	5.36	_____	10.01	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	158.44	_____	296.04	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.88	_____	11.19	_____
-Machinery Depreciation	27.34	_____	34.39	_____
-Machinery Investment	13.43	_____	17.47	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	111.65	_____	124.05	_____
SUM OF ALL LISTED COSTS	270.09	_____	420.09	_____
RETURN TO LABOR & MANAGEMENT	50.01	_____	38.91	_____
LISTED COSTS PER BUDGET UNIT	(bu) :		(lb) :	
-Direct Costs	4.80	_____	0.174	_____
-Indirect Costs	3.38	_____	0.073	_____
-Total Costs	8.18	_____	0.247	_____

Soybean notes:

*GM soybeans with herbicide tolerance. The cost includes \$8 for inoculant and fungicide treatment in addition to seed expense.

**Insecticide for soybean aphid, spider mite, or foliage-feeding caterpillars.

Drybean notes:

*Includes dessicant prior to straight cutting.

**Fungicide for white mold. Fungicide for rust at \$4-\$12 plus application maybe necessary.

Oil Sunflower

Confectionery Sunflower

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1990	_____	1740	_____
Market Price	0.211	_____	0.281	_____
MARKET REVENUE	419.89	_____	488.94	_____
DIRECT COSTS				
-Seed	37.40	_____	54.00	_____
-Herbicides	37.20	_____	40.20	_____
-Fungicides	0.00*	_____	0.00*	_____
-Insecticides	5.00**	_____	10.00**	_____
-Fertilizer	70.32	_____	59.16	_____
-Crop Insurance	8.70	_____	20.90	_____
-Fuel & Lubrication	15.29	_____	14.84	_____
-Repairs	23.24	_____	22.97	_____
-Drying	7.96	_____	6.96	_____
-Miscellaneous	20.00	_____	30.00	_____
-Operating Interest	7.88	_____	9.07	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	232.99	_____	268.10	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.99	_____	10.82	_____
-Machinery Depreciation	30.77	_____	30.18	_____
-Machinery Investment	15.81	_____	15.57	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	118.57	_____	117.57	_____
SUM OF ALL LISTED COSTS	351.56	_____	385.67	_____
RETURN TO LABOR & MANAGEMENT	68.33	_____	103.27	_____
LISTED COSTS PER BUDGET UNIT	(lb) :		(lb) :	
-Direct Costs	0.117	_____	0.154	_____
-Indirect Costs	0.060	_____	0.068	_____
-Total Costs	0.177	_____	0.222	_____

Oil Sunflower notes:

*Fungicide for rust would cost \$4 plus application.

**One spraying for head feeding insects (red seed weevil, lygus bug and banded moths). Custom application cost of \$8 is under "Miscellaneous." Foliar applied insecticide for cutworms would cost about \$5 per acre plus application (usually tank mixed with herbicide).

Confection Sunflower notes:

*Fungicide for rust would cost \$4 plus application.

**Two sprayings for head feeding insects (red seed weevil, lygus bug and banded moths) at about \$5 per application. Each custom application cost of \$8 is under "Miscellaneous." Foliar applied insecticide for cutworms would cost about \$5 per acre plus application (usually tank mixed with herbicide).

Canola

Flax

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1730	_____	16	_____
Market Price	0.201	_____	13.58	_____
MARKET REVENUE	347.73	_____	217.28	_____
DIRECT COSTS				
-Seed	75.00	_____	19.80	_____
-Herbicides	15.60	_____	33.60	_____
-Fungicides	0.00*	_____	0.00	_____
-Insecticides	0.00	_____	0.00	_____
-Fertilizer	95.59	_____	23.22	_____
-Crop Insurance	6.30	_____	11.20	_____
-Fuel & Lubrication	12.89	_____	12.84	_____
-Repairs	21.92	_____	22.96	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	10.00	_____	2.00	_____
-Operating Interest	8.31	_____	4.40	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	245.61	_____	130.02	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.70	_____	9.78	_____
-Machinery Depreciation	27.18	_____	27.36	_____
-Machinery Investment	12.92	_____	13.66	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	110.80	_____	111.80	_____
SUM OF ALL LISTED COSTS	356.41	_____	241.82	_____
RETURN TO LABOR & MANAGEMENT	(8.68)	_____	(24.54)	_____
LISTED COSTS PER BUDGET UNIT	(lb) :		(bu) :	
-Direct Costs	0.142	_____	8.13	_____
-Indirect Costs	0.064	_____	6.99	_____
-Total Costs	0.206	_____	15.11	_____

Canola notes:

*Fungicide for white mold would cost about \$18 plus application.

Field Pea

Oat

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	40.1143	_____	68	_____
Market Price	7.00	_____	2.46	_____
MARKET REVENUE	280.80	_____	167.28	_____
DIRECT COSTS				
-Seed	54.00	_____	16.00	_____
-Herbicides	39.70	_____	12.30	_____
-Fungicides	3.00	_____	0.00	_____
-Insecticides	0.00*	_____	0.00	_____
-Fertilizer	14.69	_____	61.43	_____
-Crop Insurance	5.80	_____	13.10	_____
-Fuel & Lubrication	14.43	_____	16.00	_____
-Repairs	24.10	_____	24.42	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	10.00	_____	10.00	_____
-Operating Interest	5.80	_____	5.36	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	171.52	_____	158.61	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.27	_____	11.05	_____
-Machinery Depreciation	29.92	_____	30.72	_____
-Machinery Investment	14.39	_____	15.82	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	115.58	_____	118.59	_____
SUM OF ALL LISTED COSTS	287.10	_____	277.20	_____
RETURN TO LABOR & MANAGEMENT	(6.30)	_____	(109.92)	_____
LISTED COSTS PER BUDGET UNIT	(bu) :		(bu) :	
-Direct Costs	4.28	_____	2.33	_____
-Indirect Costs	2.88	_____	1.74	_____
-Total Costs	7.16	_____	4.08	_____

Field Pea notes:

*Foliar insecticide for cutworms and/or pea aphids would cost about \$4 per acre plus application.

Lentil

Yellow Mustard

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1200	_____	800	_____
Market Price	0.19	_____	0.30	_____
MARKET REVENUE	228.00	_____	240.00	_____
DIRECT COSTS				
-Seed	21.00	_____	13.72	_____
-Herbicides	39.20*	_____	22.60	_____
-Fungicides	16.00**	_____	0.00	_____
-Insecticides	0.00***	_____	0.00	_____
-Fertilizer	7.34	_____	30.16	_____
-Crop Insurance	6.80	_____	0.00*	_____
-Fuel & Lubrication	15.40	_____	12.98	_____
-Repairs	27.30	_____	22.64	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	10.00	_____	10.00	_____
-Operating Interest	5.01	_____	3.92	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	148.05	_____	116.02	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.72	_____	9.94	_____
-Machinery Depreciation	33.31	_____	26.78	_____
-Machinery Investment	16.00	_____	14.18	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	121.03	_____	111.90	_____
SUM OF ALL LISTED COSTS	269.08	_____	227.92	_____
RETURN TO LABOR & MANAGEMENT	(41.08)	_____	12.08	_____
LISTED COSTS PER BUDGET UNIT	(lb) :		(lb) :	
-Direct Costs	0.123	_____	0.145	_____
-Indirect Costs	0.101	_____	0.140	_____
-Total Costs	0.224	_____	0.285	_____

Lentil notes:

*Includes pre-harvest dessicant.

**Fungicide treatment for ascochyta/anthracnose.

***Foliar insecticide for cutworms, pea aphids and/or grasshoppers would cost about \$4 per acre plus application.

Yellow Mustard notes:

**Crop insurance is not available in this region.

Buckwheat

Millet

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	900	_____	1500	_____
Market Price	0.19	_____	0.11	_____
MARKET REVENUE	171.00	_____	165.00	_____
DIRECT COSTS				
-Seed	26.00	_____	15.00	_____
-Herbicides	20.70	_____	11.10	_____
-Fungicides	0.00	_____	0.00	_____
-Insecticides	0.00	_____	0.00	_____
-Fertilizer	20.48	_____	28.68	_____
-Crop Insurance	9.70*	_____	0.00	_____
-Fuel & Lubrication	12.65	_____	13.86	_____
-Repairs	21.78	_____	23.16	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	2.00	_____	10.00	_____
-Operating Interest	3.97	_____	3.56	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	117.28	_____	105.36	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.73	_____	10.26	_____
-Machinery Depreciation	26.20	_____	27.93	_____
-Machinery Investment	13.39	_____	14.66	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	110.32	_____	113.85	_____
SUM OF ALL LISTED COSTS	227.60	_____	219.21	_____
RETURN TO LABOR & MANAGEMENT	(56.60)	_____	(54.21)	_____
LISTED COSTS PER BUDGET UNIT	(lb) :		(lb) :	
-Direct Costs	0.130	_____	0.070	_____
-Indirect Costs	0.123	_____	0.076	_____
-Total Costs	0.253	_____	0.146	_____

Buckwheat notes:

*Crop insurance is not available in some counties of the region.

Winter Wheat

Rye

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	53*	_____	43	_____
Market Price	5.03	_____	4.49	_____
MARKET REVENUE	266.59	_____	193.07	_____
DIRECT COSTS				
-Seed	12.10	_____	9.60	_____
-Herbicides	24.60	_____	4.00	_____
-Fungicides	10.00	_____	0.00	_____
-Insecticides	0.00	_____	0.00	_____
-Fertilizer	98.59	_____	76.48	_____
-Crop Insurance	6.30	_____	12.60	_____
-Fuel & Lubrication	12.73	_____	12.39	_____
-Repairs	20.87	_____	20.51	_____
-Drying	0.00	_____	0.00	_____
-Miscellaneous	10.00	_____	10.00	_____
-Operating Interest	6.83	_____	5.10	_____
	=====	=====	=====	=====
SUM OF LISTED DIRECT COSTS	202.02	_____	150.68	_____
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.71	_____	9.62	_____
-Machinery Depreciation	25.49	_____	25.08	_____
-Machinery Investment	12.31	_____	12.35	_____
-Land Charge	61.00	_____	61.00	_____
	=====	=====	=====	=====
SUM OF LISTED INDIRECT COSTS	108.51	_____	108.05	_____
SUM OF ALL LISTED COSTS	310.53	_____	258.73	_____
RETURN TO LABOR & MANAGEMENT	(43.94)	_____	(65.66)	_____
LISTED COSTS PER BUDGET UNIT	(bu) :		(bu) :	
-Direct Costs	3.81	_____	3.50	_____
-Indirect Costs	2.05	_____	2.51	_____
-Total Costs	5.86	_____	6.02	_____

Winter Wheat notes:

*Yield is per harvested acre. There is some risk of acreage abandonment in spring.

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